

ABSTRACT :

5 The present invention relates to a process for the manufacture of PVDF homopolymer or copolymer by radical polymerization of vinylidene fluoride (VDF), and optionally of a comonomer, in aqueous dispersion and in the presence of a transfer agent, of a persulphate as radical initiator, optionally of a surface-active additive and optionally of a paraffin wax, in which:

10 a) sodium acetate is added, either at the start of or during or after the polymerization,

 b) a potassium alkylsulphonate is optionally added after the polymerization,

 c) an aqueous PVDF dispersion is obtained,

15 d) the PVDF is collected by atomizing the dispersion obtained in c) with air at a temperature of between 120 and 220°C, the aqueous dispersion obtained in c) not being washed with water before atomizing.